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	Application No.	Applicant(s)	(PN)
	10/693,908	MOON, SEONG HAK	CZ.
Notice of Allowability	Examiner	Art Unit	
	Wilson Lee	2821	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com IGHTS. This application is	) in this application. If not included munication will be mailed in due cour	se. THIS
1. $\square$ This communication is responsive to $3/17/05$ .			
2. X The allowed claim(s) is/are 2-6 and 8-20.			
3. $igotimes$ The drawings filed on <u>28 October 2003</u> are accepted by th	e Examiner.		
4.  Acknowledgment is made of a claim for foreign priority ur  a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority do  International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5.  A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6.  CORRECTED DRAWINGS ( as "replacement sheets") mus  (a)  including changes required by the Notice of Draftspers  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner' Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the such sheet. Replacement sheet(s) should be labeled as such in the such sheet.	e been received. e been received in Application cuments have been received of this communication to MENT of this application.  In the communication to MENT of	ved in this national stage application ved in this national stage application file a reply complying with the require examiner's AMENDMENT or NOTION or declaration is deficient.	ements CE OF
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	TERIAL must be submitted. Note	the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Paper N 08), 7. ☐ Examine	Informal Patent Application (PTO-15) Summary (PTO-413), Io./Mail Date r's Amendment/Comment r's Statement of Reasons for Allowar Wilson Lee Primary Examiner Art Unit 2821	

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## Allowable subject matter

Claims 2-6, 8-20 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art neither discloses nor suggests a method or apparatus for eliminating contamination of a FED comprising the following limitations, as disclosed in the independent claims 2, 3, 4, 5, 8, 9, 12, 15 and 18:

- 1) a predetermined voltage is applied to a scan driving unit of the FED when the second high voltage pulse is applied to the anode electrode such as required by claim 1;
- 2) the first voltage pulse is outputted to the anode electrode of the panel for a preset pre-aging time such as required by claims 3 and 4;
- 3) the width of the second high voltage pulse is gradually increased with the passage of time such as required by claim 5;
- 4) the aging controlling unit applies a predetermined voltage to scan driving unit of the FED in applying of the second voltage pulse to the anode electrode such as required by claim 8;
- bigh voltage pulse having uniform frequency and duty cycle for a preset pre-aging time, converts the direct current high voltage into a high voltage pulse having frequency and duty cycle varied with the passage of time for a preset main aging time and applies a predetermined voltage to the scan driving unit for the main aging time such as required by claim 9;

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6) the aging controlling unit further includes a means for converting the first and second high voltage pulse into a high voltage pulse of low energy, herein, width of the second high voltage pulse is gradually increased with the passage of time such as required by claim 12;

- 7) applying first high voltage pulse the converted first high voltage pulse to an anode electrode of a panel for a preset pre-aging time; and converting a direct current high voltage into a second high voltage pulse having variable frequency and duty cycle and applying the converted second high voltage pulse to the anode electrode of the panel for a preset main aging time such as required by claim 15;
- 8) a means for converting the direct high voltage into a second high voltage pulse having variable frequency and duty cycle and applying the converted second high voltage pulse to the anode electrode of the panel for a preset main aging time; and a means for applying a predetermined voltage to a scan driving unit of the FED in applying of the second high voltage pulse to the anode electrode such as required by claim 18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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## Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Wilson Lee whose telephone number is (571) 272-1824.

Papers related to Technology Center 2800 applications may be submitted to Technology Center 2800 by facsimile transmission. Any transmission not to be considered an official response must be clearly marked "DRAFT". The official fax number is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wilson Lee

Primary Examiner

U.S. Patent & Trademark Office

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